

Parking using parking aid for parking vehicle in parking lot, especially between objects of obstruction for determining available parking space and trajectory to be followed

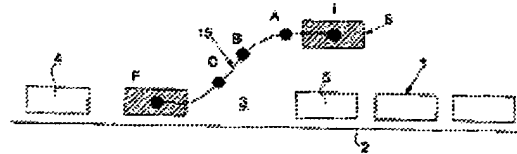
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Abstract of FR2785383

Method consists of detection of obstacles (4,5) delimiting parking space (3) with respect to a start position (I) and calculation of a parking trajectory (15) to be taken by the vehicle in order that it arrives in a final parked position (F). Calculated trajectory is a function of parking space dimensions, vehicle dimensions, start position and braking characteristics. The trajectory is subdivided into paths (IA,AB,BC,CF) over which the vehicle displacement varies, e.g. different braking, different turning circle, etc. with the vehicle significantly slowed down or stopped at the end of each part of the parking maneuver. AN Independent claim is made for a device for carrying out the procedure having sensors for detecting obstacles, brake control system and a calculator for determination of the relevant dimensions and trajectory to be taken by the vehicle.



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